



**PATENT**  
Attorney-Docket No.: UM-07718

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Madhavi Krishnan, *et al.* Art Unit: 1637  
Serial No.: 10/678,805 Examiner: Wilder, Cynthia B.  
Filed: 10/3/03  
Entitled: Methods of Performing Biochemical Reactions in a Convective Flow Field

**DECLARATION OF APPLICANTS  
UNDER 37 C.F.R. § 1.131**

Mail Stop - Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

<b>CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)</b>	
I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendments, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated:	<u>May 7, 2007</u>
By  Traci E. Light	

Examiner Wilder:

1. We, Dr. Madhavi Krishnan, Dr. V. Ugaz, and Dr. Mark Burns, are the co-inventors of record of the subject matter embodied in the above-identified patent application.
  
2. We understand that the Examiner, in an Office Action dated December 6, 2006, has rejected claims of the above-identified patent application based on a disclosure within Selvaganapathy et al., *Proc IEEE 91:954-975* (2003) that relies upon our publication: M. Krishnan, V. Ugaz, and M.A. Burns, "PCR in a Rayleigh Bernard convection cell" *Science* vol. 298, pp. 793-794 (Published: October 25, 2002).

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3. We confirm that, with respect our *Science* publication, we completed the inventive process relating to the above-named invention before October 25, 2002.

4. The undersigned declare further that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such wilful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date: April 11, 2007

By: 

Dr. Madhavi Krishnan

Date: \_\_\_\_\_

By: \_\_\_\_\_

Dr. V. Ugaz

Date: \_\_\_\_\_

By: \_\_\_\_\_

Dr. Mark Burns



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Date: \_\_\_\_\_ By: \_\_\_\_\_  
Dr. Madhavi Krishnan

Date: \_\_\_\_\_ By: \_\_\_\_\_  
Dr. V. Ugaz

Date: 4/4/07 By: \_\_\_\_\_  
Dr. Mark Burns



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Date: \_\_\_\_\_

By: \_\_\_\_\_

Dr. Madhavi Krishnan

Date: 4/9/07

By: Mark M. Ugaz

Dr. V. Ugaz

Date: \_\_\_\_\_

By: \_\_\_\_\_

Dr. Mark Burns